

DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1, 2, 5, 6, 8, 9, 12-15, 17, 18, 21, 22, 24, 25, 28-31, 33, 34, 37- 40, 42, 43, 46- 49 are rejected under 35 U.S.C. 102(e) as being anticipated by Stettner (United States Patent Application Publication 2002/0104090), herein referenced as Stettner.

Regarding **claim 1**, Stettner discloses a system and method for interactive advertising. In addition, Stettner discloses that the customer is identified and correlated with the interactive advertisement 402 and/or its corresponding merchant. In an embodiment, the customer can be identified by reading/detecting the contents of the uplink transmission from the set top box 152. That is, the uplink transmission can include the unique identification number of the set top box 152 or its unique network address, and therefore can be used to identify the customer by matching the detected unique identification number with customer and identification information stored in a database, which reads on claimed “a part for obtaining user information for identifying a user”, as disclosed in paragraph [0056].

Regarding a part for obtaining content information for identifying the video content, Stettner discloses that at a block 510, the customer is identified and correlated with the interactive advertisement 402 and/or its corresponding merchant. Once correlated, the merchant 122 is notified by the advertising service (or other mechanism) at a block 512 to contact the customer. In an embodiment, the merchant 122 is notified implicitly by redirection of the customer's browser or set top box 152 to the merchant's 122 web site 124, which reads on claimed "a part for obtaining content information for identifying the video content", as disclosed in paragraph [0056] and [0058] respectively.

Regarding a part for obtaining locating information for locating advertising content corresponding to input by the user, Stettner discloses that when the customer that has seen or heard the interactive advertisement 402 decides to order the advertised product, the customer indicates his intention to order or his interest in the advertised product. Such an indication can include, in one embodiment, communication through a tactile input device (such as a keyboard, telephone keypad, or the remote control unit 158). For instance, the user can use the remote control unit 158 to click on the Buy button indicator 404 shown in FIG. 4. The set top box 152 (or the PC) then communicates the customer's response to a head-end or distribution center 306, a server, or other network component of the advertising service. At a block 508, the customer's response is detected, which in an embodiment involves reception of the uplink transmission from the set top box 152. Next at a block 510, the customer is identified and correlated with the interactive advertisement 402 and/or its corresponding merchant, which reads on claimed "a part for obtaining locating information for locating

advertising content corresponding to input by the user", as disclosed in paragraphs [0055] and [0056] respectively.

Regarding a part for sending the user information, the content information and the locating information as mark information, Stettner discloses that the set top box 152 (or the PC) then communicates the customer's response to a head-end or distribution center 306, a server, or other network component of the advertising service. At a block 508, the customer's response is detected, which in an embodiment involves reception of the uplink transmission from the set top box 152. Next at a block 510, the customer is identified and correlated with the interactive advertisement 402 and/or its corresponding merchant, which reads on claimed "part for sending the user information, the content information and the locating information as mark information", as disclosed in paragraphs [0055] and [0056] respectively.

Regarding an advertising information storing part for storing, for each video content, identification information of advertising content and locating information corresponding to the advertising content, Stettner discloses that the local studio 106 can insert additional programming into the received transmission, for example, to provide cable content that includes locally provided channels. The programming is then distributed to customers over the cable network 134. In addition to local program insertion, the local studio 106, cable service provider 108, or other party can insert advertising content. Product supplemental information relating to the advertising for participating merchants 122 can also be inserted. Product supplemental information can include information relating to the goods or services being advertised in the commercial.

Stettner further discloses that a cache (310) maybe couple to the distribution center/head-end (306), which reads on claimed "an advertising information storing part for storing, for each video content, identification information of advertising content and locating information corresponding to the advertising content", as disclosed in paragraph [0032] and further exhibited in figure 3.

Regarding a storing part for obtaining identification information of advertising content from the advertising information storing part by using the content information and the locating information included in the mark information, Stettner discloses a database lookup technique in one embodiment, the identified customer can then be correlated to the particular interactive advertisement 402 at the block 510, and/or a characteristic associated with the particular interactive advertisement 402 can be correlated to a specific merchant 122, which reads on claimed "a storing part for obtaining identification information of advertising content from the advertising information storing part by using the content information and the locating information included in the mark information", as disclosed in paragraph [0057].

Regarding storing the identification information or related information on the advertising content in which the stored identification information or related information is associated with the user information included in the mark in formation, Stettner discloses that using a database lookup technique in one embodiment, the identified customer can then be correlated to the particular interactive advertisement 402 at the block 510, and/or a characteristic associated with the particular interactive advertisement 402 can be correlated to a specific merchant 122. For instance, an

embodiment can correlate the identified customer to the particular interactive advertisement 402 that was clicked, the television channel in which the interactive advertisement 402 was displayed, the time in which the interactive advertisement 402 was displayed and/or when the indicator 404 was clicked, the specific merchant 122 associated with the interactive advertisement 402, etc, which reads on claimed "storing the identification information or related information on the advertising content in which the stored identification information or related information is associated with the user information included in the mark in formation", as disclosed in paragraph [0057].

Regarding a sending part for sending the related information on the basis of the user information, Stettner discloses that once correlated, the merchant 122 is notified by the advertising service (or other mechanism) at a block 512 to contact the customer. In an embodiment, the merchant 122 is notified implicitly by redirection of the customer's browser or set top box 152 to the merchant's 122 web site 124, which reads on claimed "a sending part for sending the related information on the basis of the user information", as disclosed in paragraph [0058].

Regarding **claim 2**, Stettner discloses everything as claimed above (see claim 1). In addition, Stettner discloses that when the customer that has seen or heard the interactive advertisement 402 decides to order the advertised product, the customer indicates his intention to order or his interest in the advertised product. Such an indication can include, in one embodiment, communication through a tactile input device (such as a keyboard, telephone keypad, or the remote control unit 158). For instance, the user can use the remote control unit 158 to click on the Buy button indicator 404

shown in FIG. 4 Stettner further discloses that once correlated, the merchant 122 is notified by the advertising service (or other mechanism) at a block 512 to contact the customer. In an embodiment, the merchant 122 is notified implicitly by redirection of the customer's browser or set top box 152 to the merchant's 122 web site 124, which reads on claimed "wherein the center terminal sends the related information to a viewing terminal in response to receiving a viewing request that includes user information from the viewing terminal", as disclosed in paragraph [0055] and [0058] respectively.

Regarding **claim 5**, Stettner discloses everything as claimed above (see claim 1). In addition, Stettner discloses that storage unit 162 can also be coupled to or be a part of the set top box 152. The storage unit 162 can comprise a machine-readable storage medium such as a cache, buffer, memory, diskette, compact disk, tape, or the like and their associated hardware, in one embodiment. In another embodiment the storage unit 162 can include a video cassette recorder (VCR). In another embodiment, the storage unit can include a hard disk such as a digital or personal video recorder (DVR or PVR), which reads on claimed "the user terminal further comprising a reproducing part for reproducing video content in a package medium or received via broadcasting", as disclosed in paragraph [0031].

Regarding wherein the locating information for locating advertising content is reproducing position information corresponding to the advertising content in the video content, an embodiment can correlate the identified customer to the particular interactive advertisement 402 that was clicked, the television channel in which the interactive advertisement 402 was displayed, the time in which the interactive

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advertisement 402 was displayed and/or when the indicator 404 was clicked, the specific merchant 122 associated with the interactive advertisement 402, etc. Identification of the specific merchant 122 appropriate to service the customer's response can involve a database lookup of local merchants from a list of merchants, based on the customer's geographic location, based on the type of response the customer sent, or other criteria, which reads on claimed "wherein the locating information for locating advertising content is reproducing position information corresponding to the advertising content in the video content", as disclosed in paragraph [0057].

Regarding **claim 6**, Stettner discloses everything as claimed above (see claim 1). In addition, Stettner discloses that distribution centers 306 (e.g., head-ends) may include a server, in one embodiment, to direct a customer's response to an advertisement to the web site 124 of the merchant 122, for example. The distribution center 306 may also include, or be communicatively coupled to, a database (having merchant, customer, or advertising/broadcast information stored therein), such that when a response from the client terminal 308 is received, a database lookup can be performed by the server or software to identify the client terminal 308 that responded, to correlate the response with the advertisement that it responded to and with the corresponding merchant, and to trigger notification of the corresponding merchant to contact the customer or client terminal 308 to fulfill the response, which reads on claimed "the center terminal further comprising a related information storing part for storing the related information in which the related information is associated with

identification information of the advertising content; wherein the center terminal obtains the related information from the related information storing part by using the identification information of the advertising content”, as disclosed in paragraph [0044].

Regarding **claims 8,9,12**, Stettner discloses everything as claimed. In addition, claims 8,9,12 are interpreted and thus rejected for reasons set forth above in the rejection of claims 1,2,6. Claims 1,2,6 describe an information providing system and claims 8,9,12 describe a center terminal used in an information providing system. Thus claims 8,9,12 are rejected.

Regarding **claims 13, 15**, Stettner discloses everything as claimed. In addition, claims 13, 15 are interpreted and thus rejected for the reasons set forth above in the rejection of claims 1, 5. Claims 1, 5 describe an information providing system for providing related information and claims 13, 15 describe a user terminal for providing related information. Thus claims 13, 15 are rejected.

Regarding **claim 14**, Stettner discloses everything as claimed above (see claim 13). In addition, Stettner discloses that when the customer that has seen or heard the interactive advertisement 402 decides to order the advertised product, the customer indicates his intention to order or his interest in the advertised product. Such an indication can include, in one embodiment, communication through a tactile input device (such as a keyboard, telephone keypad, or the remote control unit 158). Stettner further discloses that the customer is identified and correlated with the interactive advertisement 402 and/or its corresponding merchant. In an embodiment, the customer can be identified by reading/detecting the contents of the uplink transmission from the

set top box 152, which reads on claimed "the user terminal further comprising a part for sending a related information obtaining request that includes user information to the center terminal", as disclosed in paragraphs [0055] and [0056] respectively.

Regarding receiving the related information related to the advertising content corresponding to the mark information from the center terminal, Stettner discloses that once correlated, the merchant 122 is notified by the advertising service (or other mechanism) at a block 512 to contact the customer. In an embodiment, the merchant 122 is notified implicitly by redirection of the customer's browser or set top box 152 to the merchant's 122 web site 124, for example. This redirection may be performed by a server in the distribution center 306 in one embodiment, and results in a connection of the merchant 122 to the customer at a block 514, which reads on claimed "receiving the related information related to the advertising content corresponding to the mark information from the center terminal", as disclosed in paragraph [0058].

Regarding **claims 17,18,21,22**, Stettner discloses everything as claimed. In addition, claims 17,18, 21, 22 are interpreted and thus rejected for the reasons set forth above in the rejection of claims 1, 2, 5, 6. Claims 1, 2, 5, 6 describe an information providing system for providing related information and claims 17, 18, 21, 22 describe a method used by an information providing system. Thus, claims 17, 18, 21, 22 are rejected.

Regarding **claims 24,25,28**, Stettner discloses everything as claimed. In addition, claims 24,25,28 are interpreted and thus rejected for the reasons set forth above in the rejection of claims 1,2,6. Claims 1,2,6 describe an information providing

system for providing related information and claims 24,25,28 describe a method used in a center terminal for providing related information. Thus, claims 25,25,28 are rejected.

Regarding **claims 29,31**, Stettner discloses everything as claimed. In addition, claims 29, 31 are interpreted and thus rejected for the reasons set forth above in the rejection of claims 1,5. Claims 1,5 describe an information providing system for providing related information and claims 29,31 describe a method used by a user terminal in an information providing system. Thus, claims 29,31 are rejected.

Regarding **claim 30**, Stettner discloses everything as claimed above (see claim 29). In addition, claim 30 is interpreted and thus rejected for the reasons set forth above in the rejection of claim 14. Claim 14 describes a user terminal for providing related information and claim 30 describes a method used by a user terminal in an information providing system. Thus, claim 30 is rejected.

Regarding **claims 33,34,37**, Stettner discloses everything as claimed. In addition, claims 33,34,37 are interpreted and thus rejected for the reasons set forth above in the rejection of claims 1,2,6. Claims 1,2,6 describe a user terminal for providing related information and claims 33,34,37 describe a program for causing a computer used as a center terminal in an information providing system. Thus, claims 33,34,37 are rejected.

Regarding **claims 38,40**, Stettner discloses everything as claimed. In addition, claims 38,40 are interpreted and thus rejected for the reasons set forth above in the rejection of claims 1,5. Claims 1,5 describes a user terminal for providing related

information and claims 38,40 describe a program used in a computer that is used as a user terminal in an information providing system. Thus, claims 38,40 are rejected.

Regarding **claim 39**, Stettner discloses everything as claimed above (see claim 38). In addition, claim 39 is interpreted and thus rejected for the reasons set forth above in the rejection of claim 14. Claim 14 describes a user terminal for providing related information and claim 39 describes a program used in a computer that is used as a user terminal in an information providing system. Thus, claim 39 is rejected.

Regarding **claims 42,43,46**, Stettner discloses everything as claimed. In addition, claims 42,43,46 are interpreted and thus rejected for the reasons set forth above in the rejection of claims 1,2,6. Claims 1,2,6 describes a user terminal for providing related information and claims 42,43,46 describe a computer readable medium storing a program for causing a computer used as a center terminal in an information providing system. Thus, claims 42,43,46 are rejected.

Regarding **claims 47,49**, Stettner discloses everything as claimed. In addition, claims 47,49 are interpreted and thus rejected for the reasons set forth above in the rejection of claims 1,5. Claims 1,5 describes a user terminal for providing related information and claims 47,49 describe a computer readable medium storing a program used in a computer that is used as a user terminal in an information providing system. Thus, claims 47,49 are rejected.

Regarding **claim 48**, Stettner discloses everything as claimed above (see claim 47). In addition, claim 48 is interpreted and thus rejected for the reasons set forth above in the rejection of claim 14. Claim 14 describes a user terminal for providing

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related information and claim 48 describes a computer readable medium storing a program used in a computer that is used as a user terminal in an information providing system. Thus, claim 48 is rejected.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 3,7,10,16,19,23,26,32,35,41,44,50 are rejected under 35 U.S.C. 103(a) as being unpatentable over Stettner in view of Thomas et al. (United States Patent Application Publication 2002/0042920), herein referenced as Thomas.

Regarding **claim 3**, Stettner discloses everything as claimed above (see claim 1). However, Stettner fails to disclose "the center terminal sends related information corresponding to a user to a viewing terminal of the user at a predetermined notification time", however the examiner maintains that it was well known in the art to provide the center terminal sends related information corresponding to a user to a viewing terminal of the user at a predetermined notification time, as taught by Thomas.

In a similar field of endeavor, Thomas discloses systems and methods for supplementing on-demand media. In addition, Thomas discloses that supplemental content may be distributed using any suitable approach. Supplemental content, or links

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to supplemental content, may be provided as, for example, synchronous metadata. Synchronous metadata is data that is sent logically at the same time as the on-demand media with which it is associated. The synchronous metadata may be supplied contemporaneously with the media, or prior to the media but with information associating it with the media (e.g., identifiers, links, or any other suitable information), which reads on claimed "the center terminal sends related information corresponding to a user to a viewing terminal of the user at a predetermined notification time", as disclosed in paragraph [0009].

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Stettner by specifically providing the center terminal sends related information corresponding to a user to a viewing terminal of the user at a predetermined notification time as taught by Thomas, for the purpose of providing the user with additional related information during specific points during a movie.

Regarding **claim 7**, Stettner discloses everything as claimed above (see claim 1). However, Stettner fails to disclose "wherein the user terminal obtains the content information for identifying the video content from input by the user, from digital data embedded in the package medium, from other terminal, or from information included in broadcasted information", however the examiner maintains that it was well known in the art to provide "wherein the user terminal obtains the content information for identifying the video content from input by the user, from digital data embedded in the package

medium, from other terminal, or from information included in broadcasted information", as taught by Thomas.

Regarding the user terminal obtains the content information for identifying the video content from input by the user, from digital data embedded in the package medium, from other terminal, or from information included in broadcasted information, Thomas discloses that digital versatile discs (DVDs) are used to provide media users with various forms of media, typically videos. DVDs are also used to store supplementary material, such as actor interviews and theatrical trailers. Thomas further discloses that supplemental content may be displayed when a user selects a media listing from a guidance application, as the user browses through listings, or when a user selects on-demand media. Some embodiments may provide supplemental content only in response to the user's request (e.g., selecting an on-screen button), which reads on claimed "the user terminal obtains the content information for identifying the video content from input by the user, from digital data embedded in the package medium, from other terminal, or from information included in broadcasted information", as disclosed in paragraph [0003] and [0007] respectively.

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Stettner by specifically providing the user terminal obtains the content information for identifying the video content from input by the user, from digital data embedded in the package medium, from other terminal, or from information included in broadcasted information, as taught by Thomas, for the purpose of providing the user with movie extras.

Regarding **claim 10**, Stettner discloses everything as claimed above (see claim 8). In addition, claim 10 is interpreted and thus rejected for the reasons set forth above in the rejection of claim 3. Claim 3 describes an information providing system for providing related information and claim 10 describes a center terminal to be used in an information providing system. Thus, claim 10 is rejected.

Regarding **claim 16**, Stettner discloses everything as claimed above (see claim 13). In addition, claim 16 is interpreted and thus rejected for the reasons set forth above in the rejection of claim 7. Claim 7 describes an information providing system for providing related information and claim 16 describes a user terminal for providing related information. Thus, claim 16 is rejected.

Regarding **claims 19,23**, Stettner discloses everything as claimed above (see claimed above (see claim 17). In addition, claims 19, 23 are interpreted and thus rejected for reasons set forth above in the rejection of claims 3, 7. Claims 3, 7 describe an information providing system for providing related information and claims 19, 23 describe a method by and information providing system. Thus, claims 19, 23 are rejected.

Regarding **claim 26**, Stettner discloses everything as claimed above (see claim 24). In addition, claim 26 is interpreted and thus rejected for reasons set forth above in the rejection of claim 3. Claim 3 describes an information providing system for providing related information and claim 26 describes a method used in a center terminal for providing related information. Thus, claim 26 is rejected.

Regarding **claim 32**, Stettner discloses everything as claimed above (see claim 29). In addition, claim 32 is interpreted and thus rejected for reasons set forth above in the rejection of claim 7. Claim 7 describes an information providing system for providing related information and claim 32 describes a method used by a user terminal in an information providing system. Thus, claim 32 is rejected.

Regarding **claim 35**, Stettner discloses everything as claimed above (see claim 33). In addition, claim 35 is interpreted and thus rejected for reasons set forth above in the rejection of claim 3. Claim 3 describes an information providing system for providing related information and claim 35 describes a program for causing a computer used as a center terminal in an information providing system. Thus, claim 35 is rejected.

Regarding **claim 41**, Stettner discloses everything as claimed above (see claim 38). In addition, claim 41 is interpreted and thus rejected for reasons set forth above in the rejection of claim 7. Claim 7 describes an information providing system for providing related information and claim 41 describes a program used in a computer that is used as a user terminal in an information providing system. Thus, claim 41 is rejected.

Regarding **claim 44**, Stettner discloses everything as claimed above (see claim 42). In addition, claim 44 is interpreted and thus rejected for reasons set forth above in the rejection of claim 3. Claim 3 describes an information providing system for providing related information and claim 44 describes a computer readable medium storing a program for causing a computer used as a center terminal in an information providing system. Thus, claim 44 is rejected.

Regarding **claim 50**, Stettner discloses everything as claimed above (see claim 47). In addition, claim 50 is interpreted and thus rejected for reasons set forth above in the rejection of claim 7. Claim 7 describes an information providing system for providing related information and claim 50 describes a computer readable medium storing a program used in a computer that is used as a user terminal in an information providing system. Thus, claim 50 is rejected.

Claims 4,11,20,27,36,45 are rejected under 35 U.S.C. 103(a) as being unpatentable over Stettner in view of Walker et al. (United States Patent Application Publication 2001/0018771), herein referenced as Walker.

Regarding **claim 4**, Stettner in view of Thomas discloses everything as claimed above (see claim 3). However, Stettner fails to disclose "wherein the predetermined notification time is a data and time this specified by the user or a predetermined periodic date and time, or, if content on the advertising content is unscreened, the predetermined notification time is a data and time close to a release date of the content on the advertising content", however the examiner maintains that it was well known in the art to provide wherein the predetermined notification time is a data and time this specified by the user or a predetermined periodic date and time, or, if content on the advertising content is unscreened, the predetermined notification time is a data and time close to a release date of the content on the advertising content, as taught by Walker.

In a similar field of endeavor, Walker discloses a system and method for supplying supplemental information for video programs. In addition, Walker discloses

that the CPU 51 also initializes a time counter based on the synchronization information and updates the time counter based on timing signals from internal clock. The time-code entered by viewer 80 is incremented (step S5) at predetermined intervals (e.g., every second) to ensure that proper synchronization is maintained with the video program. The CPU 51 determines in step S6 when to present specific events (part of the supplemental information) based on the continually updated time counter. In step S7, the integrated display device 50 displays the event synchronized to the action occurring on the video program, which reads on claimed "the predetermined notification time is a data and time this specified by the user or a predetermined periodic date and time, or, if content on the advertising content is unscreened, the predetermined notification time is a data and time close to a release date of the content on the advertising content", as disclosed in paragraphs [0069], [0070], and [0071].

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Stettner by specifically providing the predetermined notification time is a data and time this specified by the user or a predetermined periodic date and time, or, if content on the advertising content is unscreened, the predetermined notification time is a data and time close to a release date of the content on the advertising content, as taught by Walker, for the purpose of presenting supplemental material to the viewer during specific points in a movie.

Regarding **claim 11**, Stettner discloses everything as claimed above (see claim 10). In addition, claim 11 is interpreted and thus rejected for the reasons set forth above in the rejection of claim 4. Claim 4 describes an information providing system

and claim 11 describes a center terminal used in an information providing system.

Thus, claim 11 is rejected.

Regarding **claim 20**, Stettner discloses everything as claimed above (see claim 19). In addition, claim 20 is interpreted and thus rejected for the reasons set forth above in the rejection of claim 4. Claim 4 describes an information providing system for providing related information and claim 20 describes a method used by an information providing system. Thus, claim 20 is rejected.

Regarding **claim 27**, Stettner discloses everything as claimed above (see claim 26). In addition, claim 27 is interpreted and thus rejected for the reasons set forth above in the rejection of claim 4. Claim 4 describes an information providing system for providing related information and claim 27 describes a method used in a center terminal for providing related information. Thus, claim 27 is rejected.

Regarding **claim 36**, Stettner discloses everything as claimed above (see claim 35). In addition, claim 36 is interpreted and thus rejected for the reasons set forth above in the rejection of claim 4. Claim 4 describes an information providing system for providing related information and claim 36 describes a program for causing a computer used as a center terminal in an information providing system. Thus, claim 36 is rejected.

Regarding **claim 45**, Stettner discloses everything as claimed above (see claim 42). In addition, claim 45 is interpreted and thus rejected for the reasons set forth above in the rejection of claim 4. Claim 4 describes an information providing system for providing related information and claim 45 describes a computer readable medium

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storing a program for causing a computer used as a center terminal in an information providing system. Thus, claim 45 is rejected.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to ALEXANDER Q. HUERTA whose telephone number is (571)270-3582. The examiner can normally be reached on M-F(Alternate Fridays Off) 7:30-5:00 EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jefferey Harold can be reached on 571-272-7519. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Alexander Q Huerta
Examiner
Art Unit 4115

December 17, 2007
/Jefferey F Harold/
Supervisory Patent Examiner, Art Unit 4115